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2.30.20. Mesons and Meson Resonances

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2.60. NUCLEAR REACTIONS AND SCATTERING

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2.60.40. Nucleon–Induced Reactions and Scattering ($A \geq 5$)

2.60.40.20. Elastic Proton Scattering

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2.60.70. Meson– and Hyperon–Induced Reactions and Scattering ($A \geq 5$)

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2.90. EXPERIMENTAL METHODS AND INSTRUMENTATION FOR ELEMENTARY PARTICLE AND NUCLEAR PHYSICS

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3.10. ATOMS

3.10.30. Resonances, Fluorescence and Excitations

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3.10.40. Ionization, Continuum Spectra and Atom–Electron Affinity

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3.20. MOLECULES

3.20.30. Molecular Spectroscopy (Measurement and Phenomenology)

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4.20. STRUCTURE AND PROPERTIES OF FLUIDS

4.20.35. Thermodynamic Properties of Fluids

4.20.35.30. Critical-Point Phenomena

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4.30. PLASMA PHYSICS

4.30.10. Elementary Processes in Plasmas

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4.30.20. Basic Properties of Plasmas

4.30.20.60. Emission, Absorption and Scattering of Radiation

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4.30.40.30. Beams

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4.30.60. Plasma Equilibria and Confinement

4.30.60.10. General Theory and Design Techniques

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4.35. QUANTUM FLUIDS

4.35.20. Statistical Properties of Quantum Fluids

4.35.20.20. Boson Systems

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4.35.20.40. Mixed Systems

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4.35.20.90. Other Topics in Statistical Properties of Quantum Fluids

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4.35.40. Structure, Fluid Dynamics and Other Properties

4.35.40.55. Critical–Point Phenomena

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4.35.40.90. Other Topics in Structure, Fluids Dynamics, etc.

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5.15. LATTICE DYNAMICS

5.15.20. Phonons and Vibrations in Crystal Lattices

5.15.20.60. Phonon–Electron Interactions

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5.20. ENERGY STATES IN SOLIDS

5.20.10. General Band–Theory Models and Computational Techniques

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5.20.20. Energy Band Structure and Fermi Surfaces of Specific Types of Materials

5.20.20.15. Metals and Semimetals

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5.25.30.10. General Theory and Measurements

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5.30.40. Phase Properties of Systems

5.30.40.40. Phases: Existence, Phase Diagrams, etc.

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5.35.20. Carrier Properties

5.35.20.50. Scattering, Mobility, Effective Mass and Mean Free Path

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5.80.25. Impact Phenomena of Surfaces

5.80.25.20. Laser Impact Phenomena

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5.80.45.80. Superconducting Tunnel and Weak–Link Junctions

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